

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY 50X1-HUM 50X1-HUM

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COUNTRY	Poland	REPORT	
SUBJECT	Monthly Expenditures for Maintenance and Training of One Air Force Fighter Regiment	DATE DISTR.	12 Mar 64
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a 10- 50X1-HUM  
page English translation of a report entitled, "Monthly Expenditures for Maintenance and Training of One Air Force Fighter Regiment" (Poland).

A table of contents of this 50X1-HUM  
report is as follows:

- I.. Cost Factors
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- VI. Maintenance of barracks, living quarters; payment for electricity, fuel, and water
- VII. Burials, hospital care, medicines, illness, allowances, etc.
- VIII. Operation of Equipment (Expenditures)
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- X. Consumption of Ammunition, Rockets and Bombs for Pilot Training Purposes
- XI. Attrition of Pilots (Catastrophes, illness, accidents, resignations, etc.)

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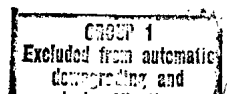
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# Monthly Expenditures for Maintenance and Training of One Air Force Fighter Regiment

## I. Cost Factors

1. Fighter regiment of the Polish Operational Air Force
2. Filling staff positions in peace time
3. Lim-5 model jet aircraft (manufactured in Poland)
4. Special motor vehicles, ZiS and ZiL models (imported from the USSR)
5. Radio sets and radar units (imported from the USSR)
6. Repair base for Polish aircraft and motor vehicles
7. Prices for imported equipment established on the basis of foreign exchange [1US dollar = 0.90 ruble = 4 zloty]
8. Other prices established according to the Polish gold market
9. Regiment based in an independent garrison and has 1 permanent and 1 reserve airfield.
10. Annual income derived from fodder grown on airfields - average of 300,000 zloty.
11. Cost of one Lim-5 aircraft - 4.5 million zloty
12. Cost of one Lis-type jet engine plus accesories - approximately 1 million zloty.
13. One liter of jet fuel - 4 zloty
14. One liter of aviation oil - 30 zloty
15. One tire of the main landing gear - 3,600 zloty (exchanged after 60 landings) <sup>tire</sup>
16. One liter of motor fuel - 6 zloty
17. One liter of motor oil - 20 zloty
18. Training of a pilot at an Air Force Officers School - 2.5 million zloty

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19. Annual attrition of pilots - 6-11 percent; average, 9 percent
20. Loss of flying equipment - 10-14 percent
21. Loss (accidents) of motor vehicles - 2 percent
22. Cost of a passenger car - 120,000 zloty
23. Cost of a truck (made in Poland) - 160,000 zloty
24. Cost of an imported vehicle (special vehicles: fuel trucks, oxygen trucks, repair workshops, etc.) - 40,000 rubles
25. Set of tires for passenger car - 3,200 zloty  
(Tires changed after 25,000 kilometers)
26. Set of truck tires: 6 x 1500 zloty = 9,000 zloty  
(Tires changed after 15,000 kilometers)
27. Monthly kilometer limit for trucks - 1,000 kilometers
28. Monthly kilometer limit for passenger cars - 1,500 kilometers
29. Subsistence for pilots - 1,200 zloty per month
30. Subsistence for enlisted personnel -- 600 zloty per month  
(Including flight or special allowance)
31. Special clothing for pilots - 300 zloty
32. Special uniforms for technical service officers - 150 zloty
33. Uniforms for officers - 350 zloty
34. Uniforms for enlisted personnel - 100 zloty
35. Per diem for officers in travel status - 21 zloty per day  
Per diem for enlisted men in travel status - 13 zloty per day
36. Pay (average) of pilots - 4,000 zloty
37. Pay of senior officers - 4,500 zloty
38. Pay of junior officers - 3,000 zloty

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- 39. Pay of career NCOs - 2,000 zloty
- 40. Pay of NCOs on active duty - 100 zloty
- 41. Pay of privates - 60 zloty
- 42. Salary of civilian employees - 800 zloty
- 43. Cost of one bomb, type O.F.A.B.-100 m -- 4,000 zloty
- 44. Cost of one rocket shell, type S-5 -- 1,200 zloty
- 45. Cost of one 23-mm shell - 40 zloty
- 46. Cost of one 37-mm shell - 45 zloty
- 47. Cost of one rifle shell - 7 zloty
- 48. Maximum operating period for an airplane 10 years - 120 months
- 49. Cost of major overhaul of airplane - 800,000 zloty
- 50. Cost of general inspection of airplane - 160,000 zloty

## II. Pay

Pilots - 42 x 4,000 zloty	168,000 zloty
Senior officers - 6 x 4,500 zloty	27,000 "
Junior officers - 120 x 3,000 zloty	360,000 "
Career NCOs - 40 x 2,000	80,000 "
Basic Service NCOs - 100 x 100 zloty	10,000 "
Contract Workers (Civilians)- 400 x 800 zloty	32,000 "
Privates- 600 x 60 zloty	36,000 "

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Total 713,000 zloty

## III. Subsistence

Pilots- 42 x 1,200 zloty	50,400 zloty
Soldiers- 700 x 600 zloty	420,000 "

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Total 470,400 zloty

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## IV. Uniforms

Pilots (special uniforms) - 42 x 300 zloty	12,600 zloty
Technical service officers - 120 x 150 zloty	18,000 "
Uniforms for officers - 160 x 350 zloty	56,000 "
Servicemen uniforms (military as well as special depending on category of military duty); including uniform repair and laundry, 700x 100 zloty	70,000 "

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Total 156,600 zloty

## V. Per Diem, Travel, Leave, Aid, and Awards

Total 10,000 zloty

## VI. Maintenance of barracks, living quarters; payment for electricity, fuel, and water

Total 50,000 "

## VII. Burials, hospital care, medicines, illness allowances, etc.

Total 1,000 "

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Total of V,VI,VII  
61,000 zloty

## VIII. Operation of Equipment (Expenditures)

Aircraft: 4.5 million zloty : 120 months. 30 planes  
= 1,000,000 zloty

Engines: 42 pilots. 80 flying hours = 3350 hours :  
12 months = 280 hours per month or 1.4 engines = 1,400,000 zloty

Major overhauls and general inspections  
1 major overhaul = 800,000 zloty plus  
2 general inspections = 320,000 zloty: 120 months  
of operation = 9,000 zloty . 30 aircraft = 270,000 zloty

Trucks: Major overhaul after 50,000 kilometers  
of operation = 60,000 zloty : 50 months =  
1,200 zloty x 60 trucks 72,000 zloty

Setting aside for vehicles as a result of accidents  
Annually about 100,000 zloty : 12 = 8,000 zloty

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Setting aside for aircraft as a result of disaster  
and breakdowns. Average 1 airplane/annually =  
2.5 million : 12 months = 7

200,000 zloty\*

Total = 1,950,000 zloty

Aircraft tires, changed after 60 landings or  
after about 40 flying hours

42 pilots x 80 hours = 3350 : 12 months = 280 hrs.

280 hours: 40 hours = 7 x 6000(2 tires) = 42,000 zloty

\* Depends on the period of operation of the aircraft.

Truck tires (changed after 15,000 kilometers)

9000 zloty : 15 months of driving (15,000 kms) =

600 zloty per month x 60 trucks = 36,000 zloty

Other equipment (radio sets, radar units, spare  
parts, instruments, tests, etc. =

50,000 zloty

Maintenance of airfields, hangars, and  
ranges =

15,000 zloty

Inspections, repair of aviation and auto-  
motive equipment done at the regimental  
repair base =

20,000 zloty

Operation, servicing, and maintenance of  
training equipment for pilots =

20,000 zloty

Total 2,133,000 zloty

#### IX. POL Consumption

Jet engine fuel

42 pilots x 80 flying hours = 335 hours: 12 months

= 280 hours x 1500 liters = 420,000 liters x 4 zloty = 1,680,000 zloty

Aviation oil (computed as above) 280 hours x 10 liters =

2800 liters x 30 zloty = 84,000 zloty

Engine fuel (trucks) 60 trucks x 1000 kms =

60,000 kms of operation: 100 kms (unit for

computing fuel consumption) = 600 x 30 liters

(fuel consumption per 100 kms) = 18,000 liters

x 6 zloty =

108,000 zloty

Motor oil

600 x 2 liters (consumption per 100 kms) =

1200 liters x 20 zloty =

24,000 zloty

(POL Consumption) Total

1,896,000 zloty

X. Consumption of Ammunition, Rockets and Bombs for Pilot Training Purposes

Aircraft ammunition, 23-mm caliber.

42 pilots x 70 rounds = 2940 rounds x 40 zloty =

117,000 zloty

Aircraft ammunition, 37-mm caliber,

42 pilots x 10 rounds = 420 rounds x 45 zloty =

18,500 zloty

Rocket shells, type S-5 or S-5m,

42 pilots x 2 shells = 84 shells x 1,200 zloty =

100,000 zloty

Bombs, type OFAB-100m,

42 pilots x 2 bombs = 84 bombs x 4,000 zloty =

335,000 zloty

Rifle ammunition,

Basic service personnel firing 3 rounds once every 3 months, or on a monthly basis:

700 soldiers x 1 rifle round = 700 rounds x 7 zl. =

4,900 zloty

(Ammo Consumption) Total

575,400 zloty

XI. Attrition of Pilots (Catastrophes, illness, accidents, resignations, etc.)

On the average, each fighter regiment receives 6

pilots every year to fill its T/O,

6 pilots x 2.5 million zloty\* = 15 million zloty:

12 months =

1,250,000 zloty

\*Cost of training one pilot for 3 years at an Air Force Officers School

monthly

1. Total/expenditures related to maintenance of one fighter

regiment of the Operational Air Force

7,255,400 zloty

Minus approximately  
300,000 zl. for income  
from fodder

2. Similar expenditures for maintaining one fighter regiment of the

National Air Defense [Forces] equipped with Lim-5 and Lim-5p aircraft.

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3. Expenditures for maintaining one ground attack fighter regiment are, on the average, 30 percent higher (regiment equipped with Lim-6bis aircraft made in Poland).
4. Costs for maintaining one fighter regiment of the National Air Defense Forces, equipped with MiG-19pm or MiG-21F aircraft, are approximately double (the same as in point 1 above)

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Legend to Table I

1. Monthly expenditures related to combat training of the 7th Bomber Wingade
2. Type of Equipment
3. Method of computing units consumed on monthly basis
4. Computing of Costs
5. Cost in zloty
6. Il-28 aircraft
7. 12 million (cost of one Il-28): 120 months of operation x 20 (number of aircraft)
8. Jet engines, type Lis
9. 50 crews x 6 flying hours : 200 hours x 2 (number of engines per Il-28)
10.  $50 \times 6 = 300$  hours : 200 hours  $= 1.5 \times 2 = 3$  engines
11. Jet engine fuel
12. 50 crews x 6 flying hours x 4000 liters of fuel (consumed), type P-2
13.  $50 \times 6 = 300$  hours x 4000 liters  $= 1,200,000$  liters x 4 zloty
14. Jet engine oil
15. 50 crews x 6 flying hours x 20 liters of aviation oil
16.  $50 \times 6 = 300$  hours x 20  $= 6000$  liters x 30 zloty
17. Tires for landing gear of Il-28
18. 50 crews x 6 flying hours : 40 hours (time period before tires changed)
19.  $50 \times 6 = 300$  hours : 40 hours  $= 7.5$  sets x 20,000 zloty
20. Bombs, type OFAB-100m
21. 50 crews x 2 OFAB bombs (navigational training)
22.  $50 \times 2$  bombs  $= 100$  bombs x 4,000 zloty
23. Training bombs, type P-100
24. 50 crews x 6 bombs, P-100 (navigational training)
25. Ammunition for NS-20 cannon

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- 26. 50 aerial gunners x 60 rounds (training)
- 27.  $50 \times 60 = 3,000$  rounds x 30 zloty
- 28. Ammunition for NR-23 cannon
- 29. 50 pilots x 20 rounds (training)

Legend to Table II

- 1. Monthly expenditures related to combat training of a ground attack fighter regiment
- 2. Type of equipment
- 3. Method of computing units consumed on monthly basis
- 4. Computing of costs
- 5. Cost in zloty
- 6. Lim-6bis aircraft
- 7. 4.5 million (cost of one Lim-6bis) : 120 months of operation x 30 aircraft
- 8. WK-1F jet engines
- 9. 42 pilots x 8 flying hours : 200 hours
- 10. Rocket motors for take-off accelerators
- 11. 42 pilots x 2 motors (take-off training)
- 12. Fuel for jet engines, type "P-2"
- 13. 42 pilots x 8 flying hours x 2000 liters (fuel consumption per hour of flight)
- 14.  $42 \times 8 = 336 \times 2000$  liters  $= 672,000 \times 4$  zloty
- 15. Oil for WK-1F engines
- 16. 42 pilots x 8 hours x 10 liters of oil (consumption per hour of flight)
- 17.  $42 \times 8 = 336 \times 10$  liters  $= 3360 \times 30$  zloty
- 18. Tires for Landing gear of Lim-6bis
- 19. 42 pilots x 8 hours : 40 hours (time limit before change of tires)
- 20. Bombs, type OFAB-100m
- 21. 42 pilots x 4 bombs (training)

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22. Training bombs, type P-50
23. 42 pilots x 4 bombs (training)
24. Air-Ground Rockets, type S-5m
25. 42 pilots x 4 rockets (training in firing at ground targets)
26. Ammunition for NR-23 cannon
27. 42 pilots x 120 rounds (training)
28. 42 x 120 rounds = 5040 x 40 zloty
29. Ammunition for N-37 cannon
30. 42 pilots x 20 rounds (training)
31. 42 x 20 = 840 rounds x 45 zloty

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